# 2011 LUMIX®
# DMC-FH5 Digital Camera

Screen image simulated.

**28MM WIDE ANGLE LEICA DC LENS**
Precision quality wide-angle optics.

**MEGA O.I.S.**
Minimizes the effects of hand shake for virtually blur-free images.

**720P HD MOVIE RECORDING**
Create dazzling high-definition videos.

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- 16.1 Megapixels
- 4x Optical Zoom
- 2.7" LCD
- Intelligent Resolution Technology
- iA Mode
- LUMIX Image Uploader

28mm WIDE · LEICA DC LENS · MEGA O.I.S. · HD MOVIE · 16.1 MEGAPIXELS · 4x Optical Zoom · 2.7" LCD · iA

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# DMC-FH5 Digital Camera

| METRICS | | | |
|---|---|---|---|
| Dimensions (W x H x D) | | | 94.3 x 53.5 x 18.8 (3.7 x 2.1 x 0.7 in) |
| Weight | | | Approx. 121g with Battery and SD Memory Card (0.27 lb) |
| | | | Approx. 104g without Battery and SD Memory Card (0.23 lb) |
| **OPTICS** | | | |
| Pixels | Camera Effective Pixels | | 16.1 Megapixels |
| CCD | Sensor Size/ Total Pixels/ Filter | | 1/2.33-in/ 16.6 Total Megapixels/ Primary Color Filter |
| Lens | Aperture | | F3.1 - 6.5/ 2-Step (F3.1 - 9.0 (W)/ F6.5 - 20 (T)) |
| | Optical Zoom | | 4X |
| | Focal Length | | f=5 - 20 mm (28 - 112 mm in 35 mm equiv.) |
| | Extra Optical Zoom (EZ) | | 5.1X (4:3/ 10M), 7.2X (4:3/ 5M), 9.0X (4:3/ under 3M) |
| | Intelligent Zoom | | 5X |
| | Lens | | LEICA DC VARIO-ELMAR |
| | | | 6 elements in 5 groups |
| | | | (3 Aspherical Lenses/ 6 Aspherical surfaces) |
| | 2-Speed Zoom | | — |
| | Optical Image Stabilizer | | MEGA O.I.S. (Off/ On) |
| | Conversion lens Compatibility | | — |
| | Digital Zoom | | 4X |
| | | | (Max. 16.0X combined with Optical Zoom without Extra Optical Zoom) |
| | | | (Max. 36.0X combined with Extra Optical Zoom) |
| Focus | Focusing Area | | Normal: Wide 50 cm - infinity/ Tele 50 cm - infinity |
| | | | Macro/ Intelligent AUTO/ Motion Picture : Wide 5 cm - infinity/ Tele 100 cm - infinity |
| | Focus Range Display | | Yes |
| | AF Assist Lamp | | Yes |
| | Focus | | Normal/ Macro, Zoom Macro, Quick AF (Always On), AF Tracking |
| Shutter | AF Metering | | Face/ AF Tracking/ 11pt/ 1pt |
| | Shutter Speed | | Still: approx. 8 - 1/1600 sec<br>Starry Sky Mode: 15, 30, 60 sec. |
| Finder | Shutter Interval | | Approx. 1.1 sec |
| | Viewfinder | | — |
| **RECORDING** | | | |
| iA | Face Recognition | | — |
| | Optical Image Stabilizer | | Photo/ Movie |
| | Intelligent ISO Control | | Photo |
| | Face Detection | | Photo |
| | Intelligent Scene Selector | | Photo (Portrait, Scenery, Night Portrait, Night Scenery, Sunset, Macro) |
| | Intelligent Exposure | | Photo/ Movie |
| | AF Tracking | | Photo |
| | Digital Red Eye Correction (Red Eye Removal) | | Photo |
| | iA Direct Button | | — |
| | Intelligent Resolution Technology | | Photo |
| File | File Format | | Still Image: JPEG (DCF/ Exif2.3) |
| | | | Motion Picture: QuickTime Motion JPEG |
| | AVCHD Lite REC | | — |
| Interface | Mode Switch | | [Recording]/ [Playback] |
| | One-Touch Movie Button | | — |
| Recording Modes | Mode Dial/ Mode Button | | Intelligent AUTO, Normal Picture, SCN, My SCN, Motion Picture |
| | Still Image Scene Mode | | Portrait, Soft Skin, Transform, Self-Portrait, Scenery, Panorama Assist, Sports, Night Portrait, Night Scenery, Food, Party, Candle Light, Baby1, Baby2, Pet, Sunset, High Sensitivity, High-Speed Burst, Flash Burst, Starry Sky, Fireworks, Beach, Snow, Aerial Photo, Pin Hole, Film Grain, High Dynamic(Standard, Art, B&W), Photo Frame |
| | Movie Scene Mode | | — |
| | Continuous Shooting Mode | | High-Speed Burst Mode: approx. 4.4 frames/ sec (image priority) (recorded in 3M for 4:3, 2.5M for 3:2, 2M for 16:9) |
| | Unlimited Consecutive Shooting | | 1.4 frames/ sec |
| | Motion Picture Recording | 4:3 | VGA: 640 x 480 pixels, 30fps (Motion JPEG) |
| | | | QVGA: 320 x 240 pixels, 30 fps (Motion JPEG) |
| | | HD Movie (16:9) | 1280 x 720 pixels, 24fps (Motion JPEG) |
| Continuous Recordable Time (motion pictures) | AVCHD Lite with picture quality set to [SH] | | — |
| | MOTION JPEG with picture quality set to [HD] | | — |
| Actual Recordable Time (motion pictures) | AVCHD Lite with picture quality set to [SH] | | — |
| | MOTION JPEG with picture quality set to [HD] | | — |
| Exposure Parameters | Exposure | | Program AE |
| | Exposure Compensation | | 1/3 EV step, +/-2 EV |
| | Backlight Compensation | | Yes (only in Intelligent AUTO Mode) |
| | Auto (AE) Bracketing | | — |
| | Multi-Aspect | | — |
| | Light Metering | | Intelligent Multiple |
| | ISO Sensitivity | | I.ISO/ 100/ 200/ 400/ 800/ 1600<br>High Sensitivity Mode (ISO 1600 - 6400) |
| | Max Auto ISO Setting | | — |

| RECORDING CONTINUED | | | |
|---|---|---|---|
| Image Parameters | Aspect Ratio | | 4:3/ 3:2/ 16:9 |
| | Still Picture Recording | 4:3 | 4608 x 3456 (16M)/ 3648 x 2736 (10M EZ)/ 2560 x 1920 (5M EZ)/ 2048 x 1536 (3M EZ)/ 640 x 480 (0.3M EZ) |
| | | 3:2 | 4608 x 3072 (14M) |
| | | 16:9 | 4608 x 2592 (12M) |
| | | 1:1 | — |
| | Image Quality | | — |
| | White Balance | | Auto/ Daylight/ Cloudy/ Shade/ Incandescent/ White Set (Selectable at Portrait, Soft Skin, Transform, Self-Portrait, Sports, Baby, Pet, High Sensitivity, High-Speed Burst, Pin Hole, Photo Frame, High Dynamic) |
| | Quick Menu | | Yes |
| | Color Mode/ Color Effect | | Standard, Vivid, Natural, Black & White, Sepia, Cool, Warm, Happy (only in iA Mode) |
| | Picture Adjustment | | — |
| Others | Still Image with Audio Recording | | — |
| | GPS | | — |
| | Flip Animation | | — |
| | Real-time histogram | | — |
| | Composition Guide Line | | Yes (1 pattern) |
| | Auto Review | | 1 sec, 2 sec, Hold, Off |
| | Easy Zoom/ Zoom Resume | | No/ No |
| | Optical Zoom in Motion Picture | | — |
| | Macro Zoom | | Yes |
| | Orientation Detector | | Yes |
| | Scene Mode Help Screen | | Yes |
| | Self Timer | | 2 sec/ 10 sec |
| | Focus Icon Select | | Yes |
| **PLAYBACK** | | | |
| Display | Playback Mode | | Normal Playback, Slideshow, Filtering Playback (Category Playback), Calendar Playback |
| | Thumbnails/ Zoomed Playback | | 12,30 - thumbnails/ Max. 16X |
| | Calendar Display/ Dual-Image Playback | | Yes/ No |
| | Set Favorites/ Rotate Image | | Yes/ No |
| | Playback Still Images with Audio | | — |
| | Playback Motion Picture | | Yes |
| | Slideshow Mode | | All/ Category/ Favorites<br>BGM Effect (Natural/ Slow/ Swing/ Urban/ OFF) |
| | Show Histogram | | — |
| | Show Highlights | | — |
| Delete | Delete Image | | Single/ Multi/ All/ All except Favorites |
| | DPOF Print Setting/ Set Protection | | Yes/ Yes |
| Edit | Resize/ Cropping/ Aspect Conv./ Leveling | | Yes/ Yes/ No/ No |
| | Copy/ Title Edit/ Text Stamp | | Yes/ No/ Yes |
| | Cut Animation | | — |
| | Video Divide | | — |
| | PictBridge Support | | Single/ Multi/ All/ Favorites/ DPOF |
| **SETUP** | | | |
| | OSD language | | Please refer to "OSD" Sheet |
| | Movie REC Guide | | — |
| | Wind-Cut in Motion Picture | | — |
| | Travel Date/ World Time | | Yes/ Yes |
| **OTHERS** | | | |
| Monitor | LCD Monitor | | 2.7" (6.7 cm) TFT Screen LCD Display (230K dots) |
| | | | Field of View: approx. 100% |
| | | | Power LCD Mode, AUTO Power LCD Mode, High Angle Mode |
| | Touch Panel | | — |
| Tough | Water Proof | | — |
| | Dust Proof | | — |
| | Freeze Proof | | — |
| | Shock Proof | | — |
| Flash | Built-in-Flash | | Auto, Auto/ Red Eye Reduction, Slow Sync./ Red Eye Reduction, Forced On, Forced Off |
| | | | 0.4 - 3.3m (Wide/ I.ISO), 1.0 - 1.6m (Tele/ I.ISO) |
| | External Flash | | — |
| Media | Recording Media | | Built-in Memory, SD Memory Card, SDHC Memory Card, SDXC Memory Card |
| | Built-in-Memory | | Approx. 70MB |
| Audio | Microphone/ Speaker | | Mono/ Yes |
| Interface | Interface | | AV Output (NTSC), USB2.0 High-Speed |
| Network | Viera Link | | — |
| | HDMI Output | | — |
| | LUMIX Image Uploader | | Yes |
| Power | Power | | Li-ion Battery Pack (3.6V, Minimum: 660mAh) (Included) |
| | Battery Life (approx.) | | 260 pictures (CIPA Standard)*1 |
| Standard Package | Included Software | | PHOTOfunSTUDIO 6.0<br>QuickTime<br>Adobe Reader |
| | Standard Accessories | | Battery Charger, Battery Pack |
| | | | AV cable, USB Cable |
| | | | Hand Strap, CD-ROM |

Recording conditions by CIPA standard
- CIPA is the acronym for Camera & Imaging Products Association.
- Temperature: 23°C (73.4°F)/ Humidity: 50% when LCD monitor is on.
- Using a Panasonic SD Memory Card (32MB).
- Using the supplied battery.
- Starting recording 30 seconds after the camera is turned on. (When the optical image stabilizer function is set to [ON].)
- Recording once every 30 seconds with full flash every second recording.
- Rotating the zoom lever from Tele to Wide or vice versa in every recording.
- Turning the camera off every 10 recordings and leaving it until the temperature of the battery decreases.
- The number of recordable pictures decreases in Auto Power LCD Mode and Power LCD Mode.

- These are standard times taken at a temperature of 23°C (73.4°F) and a humidity of 50%.
- The time available for recording varies depending on the environment, the interval between recordings and the manner of use.
- Actual recordable time is the time available for recording when repeating actions such as switching the power supply [ON]/ [OFF], starting/ stopping recording, zoom operation etc.
- Motion picture recorded continuously in [MOTION JPEG] is up to 2 GB. Only the maximum recordable time for 2 GB is displayed on the screen.

03/11 Specifications subject to change without notice.

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